

What is claimed is:

1. A dual shaft gerotor motor of the type comprising a gerotor gear set including an internally-toothed ring member and an externally-toothed star member eccentrically disposed within said ring member for orbital and rotational movement therein, the teeth of said members interengaging to define a plurality N of expanding and contracting fluid volume chambers in response to said orbital and rotational movement; first and second motor housing assemblies attached to first and second axially opposite ends of said gerotor gear set; first and second output shafts rotatably supported by said first and second motor housing assemblies, respectively, and first and second means for transmitting torque from said star member to said first and second output shafts, respectively; first and second valve means, operably associated with, and driven by, one of said first and second output shafts and said first and second torque transmitting means, respectively, and cooperating with said first and second motor housing assemblies, respectively, to communicate fluid to said expanding fluid volume chambers, and from said contracting fluid volume chambers; characterized by:
  - (a) said first and second motor housing assemblies being substantially identical, and defining first and second fluid ports, respectively;
  - (b) each of said motor housing assemblies defining a plurality N of fluid passages, each of which is in fluid communication with one of said fluid volume chambers;
  - (c) said first fluid port comprising an inlet port and said first motor housing assembly and said first valve means cooperating to provide first commutating fluid communication from said inlet port to said expanding fluid volume chambers; and
  - (d) said second fluid port comprising an outlet port and said second

motor housing assembly and said second valve means cooperating to provide second commutating fluid communication from said contracting fluid volume chambers to said outlet port.

2. A dual shaft gerotor motor as claimed in claim 1, characterized by said first and second motor housing assemblies including first and second mounting members, respectively, by which said gerotor motor may be mounted relative to its associated structure.
3. A dual shaft gerotor motor as claimed in claim 2, characterized by said first and second mounting members being substantially identical, and defining said first and second) fluid ports, respectively.
4. A dual shaft gerotor motor as claimed in claim 1, characterized by said first and second output shafts being substantially identical, and said first and second torque transmitting means being substantially identical.
5. A dual shaft gerotor motor as claimed in claim 4, characterized by said first and second valve means being substantially identical.
6. A dual shaft gerotor motor as claimed in claim 1, characterized by said first motor housing assembly and said first valve means cooperating to define a first annular fluid chamber in fluid communication with said first fluid port and said first valve means defining first timing passages cooperating with said plurality N of said fluid passages to provide said first commutating fluid communication.
7. A dual shaft gerotor motor as claimed in claim 6, characterized by said second motor housing assembly and said second valve means cooperating to define a second annular fluid chamber in fluid

communication with said second fluid port and said second valve means defining second timing passages cooperating with said plurality N of said fluid passages to provide said second commutating fluid communication.

8. A dual shaft gerotor motor as claimed in claim 7, characterized by an assembly of said first motor housing assembly, said first valve means and said first torque transmitting means being substantially identical to, and interchangeable with, an assembly of said second motor housing assembly, said second valve means, and said second torque transmitting means.
9. A dual shaft gerotor motor as claimed in claim 1, characterized by said motor defining a main flow path from said fluid port through said fluid volume chambers to said second fluid port, said motor further defining a lubrication fluid path, in parallel with said main flow path, said lubrication fluid path flowing along said first torque transmitting means, then through a central opening defined by said star member of said gerotor gear set, then along said second torque transmitting means.